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From Jodi L. Connolly
Scientific Advisor
Direct Dial: (858) 678-5659

Re U.S.S.N. 10/086,745; Filing Date: February 28, 2002; Applicant: De Jong *et al.*
Our Ref.: 24601-416C

Number of pages including this page 11

Message Thank you for your voice message of March 3, 2004 regarding the proper format for listing web addresses in Form PTO-1449. Included with this facsimile is a replacement Form PTO-1449 (10 pages) originally submitted with the Information Disclosure Statement filed October 30, 2002, which has been modified according to your suggestions. We respectfully request that the listed references be considered and initialed. Please return Form PTO-1449 by facsimile at (202) 626-7796 at your earliest convenience. Thank you for your assistance in this matter.

NOTE: This facsimile is intended for the addressee only and may contain privileged or confidential information. If you have received this facsimile in error, please immediately call us collect at 858 678-5070 to arrange for its return. Thank you.

Sheet 1 of 10

FORM PTO-1449 (Modified)									ATTY. DOCKET NO. 24601-416C	SERIAL NO. 10/086,745
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT									APPLICANT De Jong <i>et al.</i>	
									FILING DATE February 28, 2002	GROUP 1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	Ref. No.	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
*	A	4	8	9	7	3	5	5	01/30/90	Eppstein <i>et al.</i>	435	240.2	10/29/87
*	B	4	9	3	7	1	9	0	06/26/90	Palmenberg <i>et al.</i>	435	69.1	10/15/87
*	C	5	2	0	8	0	6	6	05/04/93	Fujisaki <i>et al.</i>	427	96	04/30/92
*	D	5	2	8	8	6	2	5	02/22/94	Hadlaczky	435	172.2	09/13/91
*	E	5	3	1	8	5	1	5	06/07/94	Wilk	604	30	08/17/92
*	F	5	3	3	4	7	6	1	08/02/94	Gebeyehu <i>et al.</i>	564	197	08/28/92
*	G	5	3	8	9	0	6	9	02/14/95	Weaver	604	21	09/17/93
*	H	5	5	0	1	6	6	2	03/26/96	Hofmann	604	20	09/12/94
*	I	5	5	0	7	7	2	4	04/16/96	Hofmann <i>et al.</i>	604	53	01/21/94
*	J	5	5	5	0	2	8	9	08/27/96	Eppstein <i>et al.</i>	564	293	04/03/95
*	K	5	6	7	6	1	5	1	10/14/97	Yock	128	662.06	12/03/93
*	L	5	6	9	5	9	6	7	12/09/97	Van Bokkelen <i>et al.</i>	435	91.1	06/07/95
*	M	5	7	1	2	1	3	4	01/27/98	Hadlaczky	435	172.2	01/19/95
*	N	5	7	2	1	1	1	8	02/24/98	Scheffler	435	69.1	10/29/96
*	O	6	7	3	6	3	9	2	04/07/98	Hawley-Nelson <i>et al.</i>	435	320.1	06/04/96
	P	5	7	4	7	0	7	2	05/05/98	Davidson <i>et al.</i>	424	93.2	04/14/95
*	Q	5	8	3	0	4	3	0	11/03/98	Unger <i>et al.</i>	424	1.21	02/21/95
*	R	5	8	4	3	8	8	4	12/01/98	Sims	514	2	11/15/95
*	S	5	8	5	3	6	9	4	12/29/98	Engberts <i>et al.</i>	424	1.21	07/24/96
*	T	5	8	6	9	2	9	4	02/09/99	Harrington <i>et al.</i>	435	91.1	09/20/98
*	U	5	8	9	1	6	9	1	04/06/99	Hadlaczky	435	172.3	10/21/96
*	V	5	9	4	4	7	1	0	08/31/99	Dev <i>et al.</i>	604	500	08/24/96
*	W	5	9	6	2	2	6	5	10/05/99	Norris <i>et al.</i>	435	69.1	12/15/98

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Sheet 2 of 10

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								FILING DATE February 28, 2002	

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EXAMINER INITIAL	Ref. No.	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
*	X	5	9	6	5	3	9	6	10/12/99	Pan <i>et al.</i>	435	69.1	01/13/98
*	Y	5	9	7	6	7	9	6	11/02/99	Szalay <i>et al.</i>	435	6	12/23/96
*	Z	5	9	7	6	8	4	9	11/02/99	Hustad <i>et al.</i>	435	183	04/30/98
*	AA	5	9	8	5	5	7	7	11/16/99	Bullnski	435	6	10/14/98
*	AB	5	9	9	3	4	3	4	11/30/99	Dev <i>et al.</i>	604	501	09/29/95
*	AC	6	0	2	5	1	5	5	02/15/00	Hadlaczky <i>et al.</i>	435	69.1	08/07/96
*	AD	6	0	2	7	4	8	8	02/22/00	Hofmann <i>et al.</i>	604	522	06/03/98
*	AE	6	0	3	4	2	2	8	03/07/00	Norris <i>et al.</i>	538	23.1	06/25/99
*	AF	6	0	3	7	1	3	3	03/14/00	Li	435	7.21	04/17/98
	AG	6	0	5	1	4	2	9	04/18/00	Hawley-Nelson <i>et al.</i>	435	458	03/14/97
*	AH	6	0	5	4	3	1	2	04/25/00	Lerocca <i>et al.</i>	435	320.1	08/29/97
*	AI	6	0	7	4	6	6	7	06/13/00	Kinnunen <i>et al.</i>	424	450	05/21/98
*	AJ	6	0	7	7	6	9	7	06/20/00	Hadlaczky <i>et al.</i>	435	172.3	07/16/96
*	AK	6	1	8	4	0	3	7	02/06/01	Rolland <i>et al.</i>	435	455	05/02/97

FOREIGN PATENT DOCUMENTS

	*Ref No.	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No
	AL	0	0	2	7	7	9	5	05/18/00	PCT			
	AM	0	0	5	2	1	8	6	09/08/00	PCT			
*	AN	0	7	5	5	9	2	4	01/29/97	EP A1			
*	AO	0	7	5	5	9	2	4	06/09/99	EP B1			
*	AP	9	7	4	0	1	8	3	10/30/97	PCT			
*	AQ	9	8	0	8	9	6	4	03/05/98	PCT			
*	AR	9	9	2	1	5	8	4	05/06/98	PCT			

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Sheet 3 of 10

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		FILING DATE February 28, 2002	GROUP 1636

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

*	AS	1999 Press Release, "Chromos Molecular Systems Demonstrates Large-Scale Isolation of Mammalian Artificial Chromosomes", available on the world wide web at: chromos.com/feb399.html
*	AT	1999 Press Release, "Chromos Molecular Systems Reports <i>In Vitro</i> and <i>In Vivo</i> Stability of Functional Mammalian Artificial Chromosome", available on the world wide web at: chromos.com/march1899.html
*	AU	2001 Press Release, "Chromos Presents New Chromosome-Based Platform Technology for Gene Therapy (ASGT)", available on the world wide web at: chromos.com/June%204.html
*	AV	2001 Press Release, "Chromos Announces Publication of Rapid Screening Technique in the Journal Cytometry", available on the world wide web at: chromos.com/June%207.html
*	AW	2001 Press Release, "Chromos Initiates Research into Plant Artificial Chromosomes", available on the world wide web at: chromos.com/Jan23.html
*	AX	2001 Press Release, "Chromos Announces Expression of Therapeutic Protein in Transgenic Animal Carrying an Artificial Chromosome", available on the world wide web at: chromos.com/nov8.html
*	AY	2001 Press Release, "Chromos Reports Data on Transgenic Animals Carrying Artificial Chromosome", available on the world wide web at: chromos.com/march28.html
*	AZ	2001 Press Release, "Chromos and Biological Research Center Announce Publication of Human Artificial Chromosome Methodology in the Journal of Cell Science", available on the world wide web at: chromos.com/sept12.html
	BA	2002 Press Release, "Chromos Announces Agreement With Lonza Biologics PLC: ACE System to be Evaluated by Leading Contract Protein Manufacturer" Burnaby, BC, Canada, available on the world wide web at: chromos.com/june10.html (09/12/02)
	BB	2002 Press Release, "Chromos Reports Progress In Gene Delivery To Adult Derived Stem Cells" Burnaby, BC, Canada, available on the world wide web at: chromos.com/june6.html (09/12/02)
	BC	2002 Press Release, "Chromos Enters Collaboration Agreement with Morphogen Pharmaceuticals" Burnaby, BC, Canada, available on the world wide web at: chromos.com/april24.html (09/12/02)
*	BD	Alton et al., "Nucleotide sequence analysis of the chloramphenicol resistance transposon Tn9", <i>Nature</i> , 282:864-869 (1979)

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	BE	Alvaro-Gracia <i>et al.</i> , "Cytokines in Chronic Inflammatory Arthritis. V. Mutual Antagonism between Interferon-Gamma and Tumor Necrosis Factor-Alpha on HLA-DR Expression, Proliferation, Collagenase Production, and Granulocyte Macrophage Colony-stimulating Factor Production by Rheumatoid Arthritis Synoviocytes", <u>86</u> :1790-1798 (1990)
*	BF	Anderson <i>et al.</i> , "Flow Cytometry of Mitotic Cells", <u>Experimental Cell Res.</u> , <u>238</u> :498-502 (1998)
	BG	ATCC (American Type Culture Collection) Number CCL-39
	BH	ATCC (American Type Culture Collection) Number CCL-1.3
	BI	ATCC (American Type Culture Collection) Number CCL-110
	BJ	ATCC (American Type Culture Collection) Number CRL-1573
	BK	ATCC (American Type Culture Collection) Number CCL-1.4
	BL	ATCC (American Type Culture Collection) Number CRL-2056
	BM	ATCC (American Type Culture Collection) Number CRL-1769
*	BN	Audouy <i>et al.</i> , "Serum as a modulator of lipoplex-mediated gene transfection: dependence of amphiphile, cell type and complex stability", <u>J. Gene Med.</u> , <u>2</u> :465-476 (2000)
	BQ	Audouy and Hoekstra, "Cationic lipid-mediated transfection <i>in vitro</i> and <i>in vivo</i> (Review)", <u>Molecular Membrane Biology</u> , <u>18</u> :129-143 (2001)
	BP	Aupperle <i>et al.</i> , "NF- κ B Regulation by κ B Kinase in Primary Fibroblast-Like Synoviocytes", <u>The Journal of Immunology</u> , <u>163</u> :427-433 (1999)
*	BQ	Baldwin <i>et al.</i> , "Cloning of the Luciferase Structural Genes from <i>Vibrio harveyi</i> and Expression of Bioluminescence in <i>Escherichia coli</i> ", <u>Biochem.</u> , <u>23</u> :3663-3667 (1984)
*	BR	Bao <i>et al.</i> , "Transfection Of A Reporter Plasmid Into Cultured Cells By Sonoporation <i>In Vitro</i> ", <u>Ultrasound in Med. & Biol.</u> , <u>23</u> / <u>6</u> :953-959 (1997)
*	BS	Basic Protocol, Book: <u>Current Protocols in Molecular Biology</u> , Supplement 14, "Calcium Phosphate Transfection", Section 1, Unit 9.1.1 - 9.1.9 (1990)
	BT	Bendele <i>et al.</i> , "Efficacy of Sustained Blood Levels of Interleukin-1 Receptor Antagonist in Animal Models of Arthritis", <u>Arthritis and Rheumatism</u> , <u>42</u> (<u>3</u>):498-506 (1999)
*	BU	Caldwell <i>et al.</i> "Activation of Genes with Ultrasound," <u>Ultrasound Contrast Research Symposium</u> San Diego, CA February 6-8, 1998

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

*	BV	Co <i>et al.</i> , "Generation of transgenic mice and germline transmission of a mammalian artificial chromosome introduced into embryos by pronuclear microinjection", <i>Chromosome Res.</i> , 8:183-191 (2000)
	BW	Corrigall <i>et al.</i> , "Functional IL-2 Receptor β (CD122) and γ (CD132) Chains Are Expressed by Fibroblast-Like Synoviocytes: Activation by IL-2 Stimulates Monocyte Chemoattractant Protein-1 Production", <i>The Journal of Immunology</i> , 168:4141-4147 (2001)
*	BX	Csonka <i>et al.</i> , "Novel generation of human satellite DNA-based artificial chromosomes in mammalian cells", <i>J. of Cell Sci.</i> , 113:3207-3216 (2000)
*	BY	de Wet <i>et al.</i> , "Firefly Luciferase Gene: Structure and Expression in Mammalian Cells", <i>Molecular and Cellular Biol.</i> , 7/2:725-737 (1987)
	BZ	de Jong <i>et al.</i> , "Efficient <i>in-vitro</i> transfer of a 60-Mb mammalian artificial chromosome into murine and hamster cells using cationic lipids and dendrimers", <i>Chromosome Res.</i> , 9(6):475-485 (2001)
*	CA	de Jong <i>et al.</i> , "Mammalian Artificial Chromosome Pilot Production Facility: Large-Scale Isolation of Functional Satellite DNA-Based Artificial Chromosomes", <i>Cytometry</i> , 35:129-133 (1999)
*	CB	de Jong <i>et al.</i> , Abstract No. 550: "In Vitro Transfer of a 60 Mb Mammalian Artificial Chromosome into Primary Cell Lines Using Cationic Lipids an a Dendrimer", one page
*	CC	de Jonge <i>et al.</i> , "Chromosome and DNA-Mediated Gene Transfer in Cultured Mammalian Cells", <i>International Review of Cytology</i> , 92:133-158 (1984)
	CD	Del Vecchio <i>et al.</i> , "Approaches to enhancing the retroviral transduction of human synoviocytes", <i>Arthritis Research</i> , 3:259-263 (2001)
*	CE	Durand <i>et al.</i> , "Sequencing Radiation and Adriamycin Exposures in Spheroids to Maximize Therapeutic Gain", <i>I. J. Radiation Oncol. Biol. Phys.</i> , 17/2:345-350 (1989)
*	CF	Durand <i>et al.</i> , "Response of Cell Subpopulations in Spheroids to Radiation-Drug Combinations", <i>NCI Monogr.</i> , 6:95-100 (1988)
*	CG	Durand <i>et al.</i> , "Schedule Dependence for Cisplatin and Etoposide Multifraction Treatments of Spheroids", <i>J. Natl. Cancer Inst.</i> , 82/23:1841-1845 (1990)
	CH	ECACC (European Collection of Cell Cultures) No: 85110503, Cell Line Name: NS0, mouse myeloma
	CI	Edwards, J.C.W., "Fibroblast biology: Development and differentiation of synovial fibroblasts in arthritis", <i>Arthritis Research</i> , 2(5):344-347 (2000)

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	CJ	Edwards, J.C.W. "Synovial Intimal fibroblasts," <i>Ann. Rheum. Dis.</i> , <u>54</u> :395-397 (1995)
*	CK	Engebrecht et al. "Identification of genes and gene products necessary for bacterial bioluminescence", <i>Proc. Natl. Acad. Sci. USA</i> , <u>81</u> :4154-4158 (1984)
	CL	Evans et al., "Clinical Trial to Assess the Safety, Feasibility, and Efficacy of Transferring a Potentially Anti-Arthritic Cytokine Gene to Human Joints with Rheumatoid Arthritis," <i>Human Gen. Ther.</i> , <u>7</u> :1261-1280 (1996)
	CM	Firestein, G.S., "Invasive Fibroblast-Like Synoviocytes in Rheumatoid Arthritis," <i>Arthritis Rheum.</i> , <u>39</u> :1781-1790 (1996)
*	CN	Fritz et al., Abstract: "Ultrasound Enhancement of Gene Expression, Newly Discovered Cationic Lipids, and a New Class of Gene Delivery Agents", ImaxRx Pharmaceutical Corp. Announces Important Discoveries in Emerging Field of Drug Delivery Using Acoustically Active Carriers, <i>ImaxRx Pharmaceutical Corp.</i> , pages 1-2 (2001)
	CO	Gerlag et al., "The Effect of a T Cell-Specific NF- κ B Inhibitor on In vitro Cytokine Production and Collagen-Induced Arthritis," <i>J. Immunol.</i> , <u>165</u> :1652-1658 (2000)
	CP	Gerlag et al., "Suppression of murine collagen-induced arthritis by targeted apoptosis of synovial neovasculature", <i>Arthritis Research</i> , <u>3</u> (6):357-361 (2001)
	CQ	Goater et al., "Empirical Advantages of Adeno Associated Viral Vectors for in Vivo Gene Therapy for Arthritis," <i>J. Rheumatol.</i> , <u>27</u> (4):983-989 (2000)
	CR	Graham et al., "A New Technique for the Assay of Infectivity of Human Adenovirus 5 DNA", <i>Virol.</i> , <u>52</u> :456-467 (1973)
*	CS	Gratzner et al., "An Immunofluorescence Method for Monitoring DNA Synthesis by Flow Cytometry", <i>Cytometry</i> , <u>1</u> / <u>6</u> :385-389 (1981)
*	CT	Haas et al., "Codon usage limitation in the expression of HIV-1 envelope glycoprotein", <i>Current Biol.</i> , <u>6</u> / <u>3</u> :315-324 (1996)
*	CU	Hall et al., "Expression and Regulation of <i>Escherichia coli lacZ</i> Gene Fusions in Mammalian Cells", <i>J. Molecular and Applied Genetics</i> , <u>2</u> :101-109 (1983)
	CV	Han et al., "AP-1 and NF- κ B Regulation in Rheumatoid Arthritis and Murine Collagen-Induced Arthritis," <i>Autoimmunity</i> , <u>28</u> :197-208 (1998)
*	CW	Hoekstra et al., "Lipid trafficking and sorting: how cholesterol is filling gaps", <i>Current Opinion in Cell Biol.</i> , <u>12</u> :496-502 (2000)
*	CX	Hoekstra et al., "Membrane flow, lipid sorting and cell polarity in HepG2 cells, role of a subapical compartment", <i>Biochem. Soc. Trans.</i> , <u>27</u> / <u>4</u> :422-428 (1999)

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*	CY	Hoffman <i>et al.</i> , "Lipochromosome Mediated Gene Transfer: Identification And Probable Specificity Of Localization Of Human chromosomal Material And Stability Of The Transferents", <i>In Vitro</i> , <u>17/8</u> :735-740 (1981)
*	CZ	Hollo <i>et al.</i> , "Evidence for a megareplicon covering megabases of centromeric chromosome segments", <i>Chromo. Res.</i> , <u>4</u> :240-247 (1996)
*	DA	Huang <i>et al.</i> , "Intervening sequences increase efficiency of RNA 3' processing and accumulation of cytoplasmic RNA", <i>Nucleic Acids Res.</i> , <u>18/4</u> :937-947 (1990)
*	DB	Huber <i>et al.</i> , "A Comparison Of Shock Wave And Sinusoidal-Focused Ultrasound-Induced Localized Transfection Of HeLa Cells", <i>Ultrasound to Med. & Biol.</i> , <u>25/9</u> :1451-1457 (1999)
*	DC	Ishihara <i>et al.</i> , "Effects of phospholipid adsorption on nonthrombogenicity of polymer with phospholipid polar group", <i>J. Biomed. Materials Res.</i> , <u>27</u> :1309-1314 (1993)
*	DD	Jackson <i>et al.</i> , "The novel mechanism of initiation of picornavirus RNA translation", <i>TIBS</i> , <u>15</u> :477-483 (1990)
*	DE	Jang <i>et al.</i> , "A Segment of the 5' Nontranslated Region of Encephalomyocarditis Virus RNA Directs Internal Entry of Ribosomes during In Vitro Translation", <i>J. Virol.</i> , <u>62/8</u> :2636-2643 (1988)
*	DF	Jellinek <i>et al.</i> , "Potent 2'-Amino-2'-deoxypyrimidine RNA Inhibitors of Basic Fibroblast Growth Factor", <i>Biochem.</i> , <u>34</u> :11363-11372 (1995)
*	DG	Kereso <i>et al.</i> , "De novo chromosome formations by large-scale amplification of the centromeric region of mouse chromosomes", <i>Chromosome Res.</i> , <u>4</u> :226-239 (1996)
*	DH	Kim <i>et al.</i> , "Ultrasound-Mediated Transfection of Mammalian Cells", <i>Human Gene Therapy</i> , <u>7</u> :1339-1346 (1996)
*	DI	Kong <i>et al.</i> , "Activated T cells regulate bone loss and joint destruction in adjuvant arthritis through osteoprotegerin ligand", <i>Nature</i> , <u>402</u> :304-309 (1999)
*	DJ	Lamb <i>et al.</i> , "Introduction and expression on the 400 kilobase precursor amyloid protein gene in transgenic mice", <i>Nature Genetics</i> , <u>5</u> :22-29 (1993)
*	DK	Li <i>et al.</i> , "NF- κ B Regulates VCAM-1 Expression on Fibroblast-Like Synoviocytes", <i>The Journal of Immunology</i> , <u>164</u> :5990-5997 (2000)
*	DL	Lin <i>et al.</i> , "Modified RNA sequence pools for <i>in vitro</i> selection", <i>Nucleic Acids Res.</i> , <u>22/24</u> :5229-5234 (1994)

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	February 28, 2002	1636	

		OTHER ART (Including Author)	Title, Date, Pertinent Pages, Etc.)
*	DM	Maier <i>et al.</i> , "Membrane domains and polarized trafficking of sphingolipids", <i>Cell & Develop. Biol.</i> , <u>12</u> :149-161 (2001)	
*	DN	Miller <i>et al.</i> , "Sonoporation Of Cultured Cells In The Rotating Tube Exposure System", <i>Ultrasound in Med. & Biol.</i> , <u>25</u> / <u>1</u> :143-149 (1999)	
*	DQ	Mukherjee <i>et al.</i> , "Entrapment of metaphase chromosomes into phospholipid vesicles (lipochromosomes): Carrier potential in gene transfer", <i>Proc. Natl. Acad. Sci. USA</i> , <u>75</u> / <u>3</u> :1361-1365 (1978)	
	DP	NCBI Nucleotide, X82564, <i>M.musculus</i> 45S pr...[gi:1261918], "Mapping of replication initiation sites in the mouse ribosomal gene cluster"	
*	DQ	Noguchi <i>et al.</i> , "Measurement of DNA Synthesis by Flow Cytometry", <i>Cytometry</i> , <u>1</u> / <u>6</u> :390-393 (1981)	
*	DR	Oberle <i>et al.</i> , "Lipoplex Formation under equilibrium Conditions Reveals a Three-Step Mechanism", <i>Biophys. J.</i> , <u>79</u> :1447-1454 (2000)	
*	DS	Olive <i>et al.</i> , "Increase in the fraction of necrotic, not apoptotic, cells in SiHa xenograft tumours shortly after irradiation", <i>Radiotherapy & Oncology</i> , <u>50</u> :113-119 (1999)	
*	DT	Olive <i>et al.</i> , "Resistance to DNA Denaturation in Irradiated Chinese Hamster V79 Fibroblasts Is Linked to Cell Shape", <i>Experimental Cell Res.</i> , <u>193</u> :339-345 (1991)	
*	DU	Pagratis <i>et al.</i> , "Potent 2'-amino- and 2'-fluoro-2'-deoxyribonucleotide RNA inhibitors of keratinocyte growth factor", <i>Nature Biotechnol.</i> , <u>15</u> :68-73 (1997)	
*	DV	Pecheur <i>et al.</i> , "Protein-induced Fusion Can Be Modulated by Target Membrane Lipids through a Structural Switch at the Level of the Fusion Peptide", <i>J. Biol. Chem.</i> , <u>275</u> / <u>8</u> :3936-3942 (2000)	
*	DW	Perez <i>et al.</i> , "Satellite DNA-based artificial chromosomes - chromosomal vectors", <i>TIBTECH</i> , <u>18</u> :402-403 (2000)	
*	DX	Pittman <i>et al.</i> , "A simple and rapid immunological technique for visualising chromosome-mediated gene transfer (CMGT)", <i>J. Immunol. Methods</i> , <u>103</u> :87-92 (1987)	
*	DY	Ropp <i>et al.</i> , "Aequorea Green Fluorescent Protein Analysis by Flow Cytometry", <i>Cytometry</i> , <u>21</u> :309-317 (1995)	
*	DZ	Sambrook <i>et al.</i> , Book: "Molecular Cloning", <i>A Laboratory Manual</i> , Second Ed., Cold Spring Harbor Laboratory Press (1989)	

EXAMINER

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Title: METHODS FOR DELIVERING NUCLEIC ACID MOLECULES INTO CELLS AND ASSESSMENT THEREOF

Sheet 9 of 10

FORM PTO-1449 (Modified)		ATTY. DOCKET NO. 24600-416C	SERIAL NO. 10/086,745
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		APPLICANT DeJung et al.	
		FILED DATE February 28, 2002	GROUP 1636

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

*	EA	Shi et al., "Efficient cationic lipid-mediated delivery of antisense oligonucleotides into eukaryotic cells: down-regulation of the corticotropin-releasing factor receptor", <i>Nucleic Acids Res.</i> , <u>29</u> :10:2079-2087 (2001)
	EB	Shi et al., "Interference of poly(ethylene glycol)-lipid analogues with cationic-lipid-mediated delivery of oligonucleotides; role of lipid exchangeability and non-lamellar transitions," <i>Biochem. J.</i> , <u>366</u> (Pt 1):333-341 (2002)
*	EC	Song et al., "Cell surface expression of MHC molecules in glioma cells infected with herpes simplex virus type-1", <i>J. Immunol.</i> , <u>93</u> :1-7 (1999)
	ED	Stewart et al., "Retrofitting of a satellite repeat DNA-based murine artificial chromosome (ACes) to contain loxP recombination sites", <i>Gene Therapy</i> , <u>9</u> :719-723 (2002)
	EE	Su et al., "Testing the eukaryotic promoters for efficient expression of exogenous genes in chondrocytes and synoviocytes", <i>FEBS Letters</i> , <u>395</u> :179-182 (1996)
	EF	Tak et al., "The effects of interferon beta treatment on arthritis", <i>Rheumatology</i> , <u>38</u> :362-369 (1999)
*	EG	Takeuchi et al., "Enhanced Visualization of Intravascular and Left Atrial Appendage Thrombus with the Use of a Thrombus-Targeting Ultrasonographic Contrast Agent (MRX-408A1); In Vivo Experimental Echocardiographic Studies", <i>J. Am. Soc. Echocardiogr.</i> , <u>12</u> :12:1015-1021 (1999)
*	EH	Telenius et al., "Stability of a functional murine satellite DNA-based artificial chromosome across mammalian species", <i>Chromosome Res.</i> , <u>7</u> :3-7 (1999)
*	EI	Toh et al., "Isolation and characterization of a rat liver alkaline phosphatase gene. A single gene with two promoters", <i>FEBS</i> , pages 231-237 (1989)
*	EJ	Unger et al., Book: "Liposomes as myocardial perfusion ultrasound contrast agents", <i>Ultrasound contrast Agents</i> , Chapter 8, pages 57-74 (1997)
*	EK	Unger et al., Book: 16th International Congress on Acoustics and 135th Meeting Acoustical Society of America, "Gas-Filled Liposomes as Ultrasound Contrast Agents for Blood Pool, Thrombus-Specific and Therapeutic Applications", <u>3</u> :2179-2180 (1998)
*	EL	Unger et al., "Ultrasound Enhances Gene Expression of Liposomal Transfection", <i>Invest. Radiol.</i> , <u>32</u> :723-727 (1997)
*	EM	Unger et al., Abstract: "Assessment of Myocardial Infarct with a New Ultrasound Contrast Agent", <i>RSNA</i> , Chicago, IL #1177, page 419 (1997)

EXAMINER

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FORM PTO-1449 (Modified)		ATTY. DOCKET NO. 24601-416C	SERIAL NO. 10/086,745
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		APPLICANT De Jong et al.	
		FILING DATE February 28, 2002	GROUP 1636

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

*	EN	Unger et al., Abstract: "Ultrasound-Mediated Drug Delivery with Acoustically Active Carriers and SonoPoration™ and FluoroGene™ Gene Delivery", <i>ImaRx Pharmaceutical Corp.</i> , pages 1-8 (2000)
*	EO	van der Woude et al., "Parameters influencing the introduction of plasmid DNA into cells by the use of synthetic amphiphiles as a carrier system", <i>BBA Biochimica et Biophysica Acta</i> , <u>1240</u> :34-40 (1995)
*	EP	van der Woude et al., "Novel pyridinium surfactants for efficient, nontoxic <i>in vitro</i> gene delivery", <i>Proc. Natl. Acad. Sci. USA</i> , <u>94</u> :1160-1165 (1997)
*	EQ	van Leeuwen et al., "Transfection of Small Numbers of Human Endothelial Cells by Electroporation and Synthetic Amphiphiles", <i>Eur. J. Vasc. Endovasc. Surg.</i> , <u>17</u> :9-14 (1999)
*	ER	Vanderbyl et al., "A Flow Cytometry Technique for Measuring Chromosome-Mediated Gene Transfer", <i>Cytometry</i> , <u>44</u> :100-105 (2001)
	ES	Vervoordeldonk and Tak, "Gene therapy in rheumatic diseases", <i>Best Practice & Research Clinical Rheumatology</i> , <u>15</u> (5):771-788 (2001)
*	ET	Wigler et al., "DNA-mediated transfer of the adenine phosphoribosyltransferase locus into mammalian cells", <i>Proc. Natl. Acad. Sci. USA</i> , <u>76</u> :3:1373-1376 (1979)
*	EU	Wong et al., "Sequence organization and cytological localization of the minor satellite of mouse", <i>Nucleic Acids Res.</i> , <u>16</u> :11845-11661 (1988)
*	EV	Wyber et al., "The Use of Sonication in the Efficient Delivery of Plasmid DNA into Cells", <i>Pharmaceutical Res.</i> , <u>14</u> (6):750-756 (1997)
*	EW	Yang et al., "Optimized codon usage and chromophore mutations provide enhanced sensitivity with the green fluorescent protein", <i>Nucleic Acids Res.</i> , <u>24</u> (22):4592-4593 (1996)

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